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2-19-02

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re Application of:  
Baron et al.

Serial No: 09/021,660

Filed: February 10, 1998

For: Methods for Modulating  
Hematopoiesis and Vascular Growth

Attorney Docket No. HUIP-P01-060

Art Unit: 1646

Examiner: C. Kaufman

TECH CENTER 1600/2900

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Karen DiRocco

Assistant Commissioner of Patents  
Washington, D.C. 20231

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**REPLY UNDER 37 CFR 1.111**

Sir:

This amendment is being filed in reply to the outstanding Office Action, mailed November 15, 2001, in connection with the above application. Please enter the following amendments:

**In the claims:**

For the convenience of the Examiner, all claims being examined, whether or not amended, are presented below.

71  
57. (Twice Amended) A method of stimulating a population of undifferentiated mammalian mesodermally derived cells to undergo hematopoiesis, comprising contacting the cells with an amount of a hedgehog compound effective to stimulate the cells to undergo hematopoiesis, wherein the hedgehog compound comprises a polypeptide sequence at least 80% identical to a sequence selected from SEQ ID NO: 34, SEQ ID NO: 35, SEQ ID NO: 36, SEQ ID NO: 37,